Claims

1. Dividing device, comprising:

- an outer housing with an inlet and at least two outlets;

- at least two pump chambers placed adjacently of each other in the outer housing, each with a pump chamber infeed connected to the inlet and each with a pump chamber discharge connected to the outlet;

- at least two vane-type rotors, one in each pump chamber and with a rotation axis in line, each vane-type rotor comprising a hub provided with continuous vanes which are slidable through the hub along their longitudinal axis and almost perpendicularly of the axis of the hub,

wherein the outer housing is divided into outer housing segments.

2. Dividing device as claimed in claim 1, wherein each outer housing segment comprises at least one inlet opening and at least one outlet opening.

3. Dividing device as claimed in claim 1 or 2, wherein each outer housing segment comprises one pump chamber.

4. Dividing device as claimed in claim 1, 2 or 3, wherein the outer housing segments are identical.

5. Dividing device as claimed in any of the foregoing claims, wherein each outer housing segment comprises an inlet and an outlet.

6. Dividing device as claimed in any of the foregoing claims, wherein the outer housing segments are enclosed between closed end parts.

7. Dividing device as claimed in any of the foregoing claims, wherein the outer housing segments are in parallel arrangement.

8. Dividing device as claimed in any of the foregoing claims, wherein the vane-type rotors form a vane-type rotor assembly.

9. Dividing device as claimed in any of the foregoing claims, wherein each outer housing segment is provided with a cylinder running through the outer housing segment and having a longitudinal axis practically parallel to the rotation axis of the vane-type rotor assembly, wherein the pump chambers are held in the cylinder.

10. Dividing device as claimed in claim 9, wherein the cylinder is a circular cylinder.

11. Dividing device as claimed in claim 9 or 10, wherein the cylinder runs continuously through the segments.

12. Dividing device as claimed in any of the foregoing claims 9-11, wherein the outer housing segments are mirror-symmetrical relative to a plane of symmetry perpendicularly of the longitudinal axis of the cylinder.

13. Dividing device as claimed in any of the foregoing claims, wherein each outer housing segment comprises one pump chamber, wherein each pump chamber extends into a subsequent segment.

14. Dividing device as claimed in claim 13, wherein the outer housing segments are cylindrical with end surfaces, and form together with the end surfaces on each other a cylindrical outer housing, and the pump chambers are each cylindrical with end surfaces, and connecting together form a cylinder in the outer housing, wherein the end surfaces of the pump chambers are offset relative to the end surfaces of the outer housing segments.

15. Dividing device as claimed in claim 14, wherein the pump chambers are closed on one end surface and open on the other side, wherein the pump chambers are arranged with the closed end surface toward the open end surface of a

subsequent pump chamber.

16. Dividing device as claimed in claim 15, wherein the vane-type rotor forms a part of the closure of the closed end surface.

17. Outer housing segment evidently suitable for a device as claimed in any of the foregoing claims.

18. Device comprising one or more of the characterizing measures specified in the description and/or shown in the drawings.

19. Method comprising one or more of the characterizing measures specified in the description and/or shown in the drawings.